



United States Environmental Protection Agency  
Program  
Address  
Phone  
Fax  
Web address

Reviewing Authority  
Program  
Address  
Phone  
Fax  
Web address

## GENERAL AIR QUALITY PERMIT APPROVAL TO CONSTRUCT AND OPERATE Rock Crushing & Screening Facilities

### QUALIFICATIONS, INSTRUCTIONS, TERMS & CONDITIONS

#### General Terms & Conditions

1. The Permittee shall abide by all representations, statements of intent and agreements contained in the terms and conditions outlined in this permit.
2. The Permittee shall take all reasonable precautions to prevent and or minimize fugitive emissions.
3. Issuance of this permit does not relieve the permittee, the owner, and/or operator of the responsibility to comply fully with all other applicable Federal and Tribal rules, regulations, and orders now or hereafter in effect.
4. Noncompliance with any permit term or condition is a violation of the permit and may constitute a violation of the Act and is grounds for enforcement action and for permit termination or revocation.
5. It is not a defense, for the Permittee, in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
6. *Permit Effective Date:* This permit is effective thirty (30) days after receipt of the permit, unless an appeal is made to the Environmental Appeals Board, in writing, that this individual source is not eligible to receive a general permit. Such notice should be made within thirty days of receipt of the permit, and should include the reason or reasons for the appeal. If an appeal is made, coverage of the individual source under the general permit will be stayed.
7. *Invalidation of Permit:* This permit becomes invalid if construction is not commenced within 18 months after the effective date of the permit, construction is discontinued for 18 months or more, or construction is not completed within a reasonable time. The permitting authority may extend the 18-month period upon a satisfactory showing that an extension is justified.
8. *Notification of Start-up:* The Permittee shall submit a notification of the anticipated date of initial start-up of the new or modified Source to EPA not more than 60 days prior to such date or less than 15 days prior to such date. The permittee shall submit notification of the actual date of initial start-up within 15 days after such date.
9. *Notification of Change to Construction Plans:* The permitting authority shall be notified ten (10) days in advance of any significant deviation from the permit application as well as deviations from any plans furnished with permit application, specifications or supporting data furnished. The issuance of this permit may be suspended or revoked if the permitting authority determines that a significant deviation from the permit application, specifications, and supporting data furnished has been or is to be made. If the proposed source is constructed, operated, or modified not in accordance with the terms of this permit, the Permittee will be subject to appropriate enforcement action.
10. *Permit Transfers:* The permitting authority shall be notified if the company is sold or changes its name. Permittee must ensure that the permitted source will remain in compliance with permitted conditions during any such transfer of ownership.
11. The Permittee shall send all required notifications and reports to:

Reviewing Authority  
Program  
Address

- 12.** This permit and any required attachments must be retained and made available for inspection upon request at the facility.\*\*\*
- 13. Information Requests:** The Permittee shall furnish to the [Reviewing Authority], within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for revising, revoking and reissuing, or terminating the permit or to determine compliance with the permit. For any such information claimed to be confidential, you must submit a claim of confidentiality in accordance with 40 CFR part 2 subpart B.
- 14. Inspection and Entry:** The reviewing authority or its authorized representatives (who must comply with the safety requirements of the permittee) may inspect the permitted facility during normal business hours for the purpose of ascertaining compliance with all conditions of this permit. Upon presentation of proper credentials, the permittee must allow the permitting authority or its authorized representative to:
- Enter upon the premises where a source is located or emissions-related activity is conducted, or where records are required to be kept under the conditions of the permit;
  - Have access to and copy, at reasonable times, any records that are required to be kept under the conditions of the permit;
  - Inspect, during normal business hours or while the source is in operation, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
  - Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and
  - Record any inspection by use of written, electronic, magnetic and photographic media.
- 15. Severability clause:** The provisions of this permit are severable, and in the event of any challenge to any portion of this permit, or if any portion is held invalid, the remaining permit conditions shall remain valid and in force.
- 16. Property Rights:** The permit does not convey any property rights of any sort or any exclusive privilege.
- 17.** Any source or facility covered under a letter approving the general permit may request to be excluded from the general permit by applying for a permit under 40 CFR § 49.154.
- 18. Revise, Reopen, Revoke and Reissue, or Terminate for Cause:** The permit may be revised, reopened, revoked and reissued, or terminated for a cause. The filing of a request by the Permittee, for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. The reviewing authority may reopen a permit for a cause on its own initiative, e.g., if the permit contains a material mistake or the facility fails to assure compliance with the applicable requirements.

**[disclaimers]** The public reporting and recordkeeping burden for this collection of information is estimated to average 0.10 hour per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

*I have read and understand the instructions, terms, and conditions for this General Permit Application.*

Owner Name [Please Print]

Owner Signature

Date

**Rock Crushing & Screening Facilities Specific Terms & Conditions****1. Limitations on Production**

- a. The facility's maximum throughput for rock crushing and screening facilities shall not exceed 250,000 tons for any twelve consecutive month period.
- b. All facilities operating under this permit may not process an amount of crushed rock or stone in excess of 40,000 tons in any consecutive 30-day period.
- c. The facility is required to keep records of production rates, annual throughput, and hours of operation. [Reviewing authority] must be notified prior to any changes in the daily or annual production rates. The facility owner or operator must wait to make these changes until [Reviewing Authority] has approved them.
- d. Facilities must use control technology during the entire rock crushing and screening process. Facilities not demonstrating proper use of control technologies will be prohibited from operating. These control technologies are outlined specifically in the following sections for each separate process.

**2. Limitations on Fuel Usage**

- a. The facility's fuel usage for all combustion sources including internal combustion engines and other units cannot exceed a combined total of 500,000 gallons or 500,000 MMCF in any consecutive twelve month period.
- b. The facility shall never use any fuel other than natural gas, fuel oil # 2, diesel, propane, or liquid petroleum gas in any equipment used in any part of the process for rock crushing or screening.
- c. The facility's monthly and annual fuel usage may not exceed the amounts listed in the permit application. [Reviewing authority] must be notified prior to any changes in fuel usage and the facility must wait to make these changes until [Reviewing Authority] has approved them.
- d. The facility must continue to use the fuel indicated for each piece of equipment on the permit application. [Reviewing Authority] must be notified prior to any changes in fuel used and the facility must wait to make these changes until [Reviewing Authority] has approved them.
- e. The flashpoint of all waste oil fuel used at the facility must be greater than 100 degrees Fahrenheit.

**3. Limitations on Material Transference and Handling**

- a. Any single conveyor used for transferring material may not do so at a rate that exceeds 250 tons per hour. Materials transferred on conveyors must also maintain a minimum moisture content of 1.0%.
- b. The total amount of material processed through any one material transference point may not exceed 250,000 tons of material in any consecutive 12 month period.
- c. All material transference and handling operations at the facility may not exceed the projected throughput levels specified in the permit application. Any facility wishing to alter these projected throughput levels of number of material handling and transference points must notify [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after [Reviewing Authority] has approved them.
- d. The facility is required to stop material transference and handling operations whenever opacity from storage piles and conveyor transfer operations exceed an average of 15% for any consecutive three minute period as measured by EPA Method 203A (<http://www.epa.gov/ttn/emc/promgate.html>). The facility has the option of shielding the pile, adding water to the material, or ceasing operation.
- e. Facilities must cover or secure all materials likely to become airborne during all transference processes.
- f. All conveyors used to transfer materials must have, at the minimum, a half cover at all times during production used in conjunction with a mechanism used to control the moisture content of the material.
- g. All control devices used during material transference and handling specified on the permit application must be used during production at all times. Any facility wishing to alter the control technology used during material transference or handling must notify [Reviewing Authority] prior to making any changes and the facility must wait to make these changes until after [Reviewing Authority] has approved them.

*h. Limitations on Stockpiles*

- i. The total amount of material transferred and stored to all stock piles may not exceed 250,000 tons in any consecutive 12 month period.
- j. The facility is required to stop material transference and handling operations whenever opacity from storage piles and conveyor transfer operations exceed an average of 10% for any consecutive three minute period as measured by EPA Method 203A (<http://www.epa.gov/ttn/emc/promgate.html>). The facility has the option of shielding the pile, adding water to the material, or ceasing operation.
- k. The facility must adhere to the amount of material transferred to and stored in stock piles specified in the permit application. Any facility wishing to alter these projected throughput levels of material stored must notify [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after [Reviewing Authority] has approved them.

*4. Limitations for On-Site Roads*

- a. All vehicular travel on unpaved on-site roads shall not exceed 2,500 miles in any consecutive twelve month time period.
- b. All unpaved on-site roads must be maintained and achieve a moisture content of 0.5% or greater. If the average speed travelled on unpaved on-site roads exceeds 20 mph, a moisture content of 1.0% or greater is required.
- c. The facility must adhere to the average speed, hours of use, annual miles, average truck weight, and number of trucks in use specified in the permit application. Any facility that wishes to alter these estimated levels must notify [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after [Reviewing Authority] has approved them

*5. Limitations on Bulldozing, Scraping, and Grading*

- a. The facility must maintain a minimum moisture content of 0.5% during all bulldozing, scraping, and grading operations. If the silt content of the material is above 10% at any time during these operations, the facility must maintain a minimum moisture content of 1.0%. If the silt content of the material during these operations is above 20%, the facility must maintain a minimum moisture content of 2.0% at all times. If the silt content is greater than 50%, the facility must maintain a minimum moisture content of 3.0% at all times. If the silt content is greater than 75%, the facility must maintain a minimum moisture content of 5.0% or greater at all times.
- b. The facility must use a windscreen or other enclosure during all bulldozing, scraping, and grading operations at all times during production.
- c. The facility must adhere to the specifications projected in the permit application for all bulldozing, scraping, and grading activities. If the facility wishes to alter these predicted levels, they must notify the [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after [Reviewing Authority] has approved them.

*6. Limitations on Explosive Material Used*

- a. The facility must limit the total amount of explosive material used in any consecutive 12 month period to 25 tons.
- b. The facility is only permitted to use dynamite (straight, or with ammonia or gelatin), black powder, smokeless powder, Ammonium nitrate fuel oil (ANFO), trinitrotoluene (TNT), cyclotrimethylenetrinitroamine (RDX), or Pentaerythritol tetranitrate (PETN) as their explosive material. The facility is only permitted to use the explosive material specified on the permit application. If the facility wishes to change the explosive material used, they must notify the [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after [Reviewing Authority] has approved them.

*7. Limitations on Blasting Operations*

- a. The total amount of material shifted during all blasting operations—not including wet hole drilling or blasthole wet drilling—may not exceed 250,000 tons in any consecutive 12 month period.
- b. The facility must adhere to the total amount of material shifted during blasting operations specified on the permit application. If the facility wishes to change the amount of material shifted, they must notify the [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after [Reviewing Authority] has approved them.



- c. *Limitations on Crushing and Screening Operations* The facility must achieve at least 80% efficiency throughout the crushing and screening processes. The facility must also adhere to all control specifications listed on the permit application. If the facility, for any reason, needs to alter these specifications, they must notify the [Reviewing Authority] prior to any changes and the facility must wait to make these changes until after the [Reviewing Authority] has approved them.
- d. The facility must adhere to the total projected amount of material processed at each crusher or screener specified on the permit application. If the facility wishes to change the amount of material processed by any crusher or screener, they must notify the [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after the [Reviewing Authority] has approved them.

#### 8. *Limitations on Exhaust Units*

- a. The total amount of fuel used for all exhaust units, including internal combustion engines, space heaters, boilers, process heaters, and gas turbines may not exceed 500,000 gallons of liquid fuel or million cubic feet (MMCF) of any gas in any consecutive 12 month period.
- b. The total amount of fuel used for all exhaust units, including internal combustion engines, space heaters, boilers, process heaters, and gas turbines may not exceed 85,000 gallons of liquid fuel or million cubic feet (MMCF) of any gas in any consecutive 30 day period.
- c. All internal combustion engines are required to have maximum hourly capacity that does not exceed 250,000 British thermal units (BTU).
- d. Facilities using stationary internal combustion engines on-site are required to use only gasoline or diesel fuel when powering their internal combustion engines.
- e. Facilities that use exclusively diesel fuel to power their stationary internal combustion engines will be limited to a maximum, combined total operating capacity that is equal to, or below, 1million BTU per hour.
- f. Facilities that use exclusively gasoline fuel to power their stationary internal combustion engines will be limited to a maximum, combined total operating capacity that is equal to, or below, 2.5 million BTU per hour.
- g. Facilities that use a combination of gasoline and diesel fuel to power their internal combustion engines shall be limited to a maximum, combined total operating capacity of all diesel engines of 500,000 BTU per hour or less, and a maximum, combined total operating capacity of all gasoline engines of 1million, or less, BTU per hour.
- h. Facilities shall be required to utilize some method of combustion modifications to limit and control their emissions of criteria pollutants. These control methods are at the discretion of the source owner or operator, but must include a combination of the following combustion modifications: adjusting the injection timing retard, pre-ignition chamber combustion adjustments, air to fuel ratio adjustments, and derating.
- i. The facility is not allowed to operate any exhaust unit other than internal combustion engines, boilers, space heaters, process heaters, or gas turbines.
- j. The facility must adhere to the total projected amount of fuel usage for all exhaust units specified in the permit application. If the facility wishes to change the amount of fuel used by any exhaust unit, they must notify the [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after the [Reviewing Authority] has approved them.

#### 11. *Plantwide Emission Control Requirements*

- a. Facilities are required to utilize control technology throughout the entire production, storage, and transference processes.
- b. The facility is required to stop material transference and handling operations whenever opacity from storage piles and conveyor transfer operations exceed an average of 15% for any consecutive three minute period as measured by EPA Method 203A (<http://www.epa.gov/ttn/emc/promgate.html>). The facility has the option of shielding the pile, adding water to the material, or ceasing operation.
- c. Facilities must use all control devices during the production process. Facilities must maintain, at a minimum, the control efficiencies they specified for these technologies in the permit application. If the facility wishes to change the control technology used, or efficiency, they must notify the [Reviewing Authority] prior to these changes and the facility must wait to make these changes until after the [Reviewing Authority] has approved them.

## 12. Monitoring, Recordkeeping, Reporting

- a. The facility is required to stop material transference and handling operations whenever opacity from storage piles and conveyor transfer operations exceed an average of 15% for any consecutive three minute period as measured by EPA Method 203A (<http://www.epa.gov/ttn/emc/promgate.html>). The facility has the option of shielding the pile, adding water to the material, or ceasing operation.
- b. The facility is required to have a process management device that is capable of determining the daily process weight of sand, gravel, or crushed stone produced with an accuracy of +/- 5.0% (plus or minus five percent) of the operating range.
- c. The owner or operator is required to conduct semi-annual opacity EPA Reference Method 22 observations (<http://www.epa.gov/ttn/emc/promgate.html>) for a duration of 10 minutes on all crushing and screening operations unless an alternate test method is submitted and approved by [Reviewing Authority]
- d. The facility owner or operator is required to conduct monthly opacity EPA Reference Method 9 observations (<http://www.epa.gov/ttn/emc/promgate.html>) on internal combustion engines and exhaust units used by the facility, unless an alternate test method is submitted and approved by [Reviewing Authority]
- e. The facility owner or operator is also required to perform monthly emission tests. These tests shall be conducted using the EPA Reference Test Methods (<http://www.epa.gov/ttn/emc/promgate.html>) unless an alternate test method is submitted and approved by the [Reviewing Authority].
- f. All tests performed at the facility shall be performed when the facility is operating at 100% capacity. If this is not possible, a lesser operating capacity for monthly tests may be approved by the [Reviewing Authority].
- g. The facility owner or operator is required keep records of the total amount of material throughput at the facility each month in addition to calculating and recording monthly the rolling twelve month total or the last complete moth plus the previous 11 months by the end of the following month.
- h. The facility owner or operator is required to keep records of repairs, replacements, and modifications of any component of the rock crushing and screening facility, and any units used to crush, screen, or transfer materials, including all exhaust units, on the facility.
- i. The facility owner or operator is required to keep records of all fuel usage at the facility each month as well as calculating a rolling, twelve month total amount of fuel used by the facility.
- j. The facility owner is required to keep track of all control technologies used and installed as well as their efficiency.
- k. The facility owner or operator is required to retain all records required by the permit for five years and make them available to the [Reviewing Authority] upon request.
- l. The facility owner or operator is required to submit an annual monitoring report including the type and frequency of monitoring, and a summary of results obtained by monitoring (to Reviewing Authority) by (DATE).